

Title (en)

Environmentally compensated speech processing

Title (de)

An Umgebungsgeräusche angepasste Sprachverarbeitung

Title (fr)

Traitement de la parole adapté aux bruits environnementaux

Publication

EP 0886263 A2 19981223 (EN)

Application

EP 98110330 A 19980605

Priority

US 87660197 A 19970616

Abstract (en)

In a computerized method for processing speech signals, first vectors representing clean speech signals are stored in a vector codebook. Second vectors are determined from dirty speech signals. Noise and distortion parameters are estimated from the second vectors. Third vector are predicated, based on estimated noise and distortion parameters. The third vectors are used to correct the first vectors. The third vectors can then be applied to the second vectors to produce corrected vectors. The corrected vectors and the first vectors can be compared to identify first vectors which resemble the corrected vectors. <IMAGE>

IPC 1-7

G10L 3/02

IPC 8 full level

G10L 15/06 (2006.01); **G10L 19/00** (2006.01); **G10L 21/02** (2006.01)

CPC (source: EP US)

G10L 21/0208 (2013.01 - EP US); **G10L 2019/0001** (2013.01 - EP)

Cited by

EP1926087A1; EP1195744A3; GB2471875A; GB2471875B; US6781947B2; US8370139B2; US7065488B2; US8595006B2

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DE FR GB

DOCDB simple family (publication)

EP 0886263 A2 19981223; **EP 0886263 A3 19990811**; **EP 0886263 B1 20050824**; CA 2239357 A1 19981216; DE 69831288 D1 20050929; DE 69831288 T2 20060608; JP H1115491 A 19990122; US 5924065 A 19990713

DOCDB simple family (application)

EP 98110330 A 19980605; CA 2239357 A 19980602; DE 69831288 T 19980605; JP 16335498 A 19980611; US 87660197 A 19970616